



ATTACHMENT B

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

1-16. (canceled)

17. (new) A demand regulator comprising:

- a tube for connection with the inside of a breathing mask;
- an admission of pressurized breathing gas communicating with said tube;
- a main valve disposed between the admission and the tube, said main valve defining a control chamber separated from admission by a diaphragm subjected to pressure, said control chamber being connected to the admission via a constriction;
- an ejector interposed between the main valve and the tube;
- a passage adapted for allowing dilution air to arrive downstream from the ejector;
- a pilot valve defining a chamber separated from said tube by a diaphragm responsive to breath-in suction, said chamber being in communication with the admission;
- a shutter carried by said pilot valve diaphragm, suitable for putting into communication said control chamber with said pilot valve chamber or for separating said chambers;
- a passage for putting said pilot valve chamber into communication with the atmosphere;
- a valve discharging to atmosphere for limiting pressure in the pilot valve chamber;
- a selector member carrying a first valve and a second valve, said selector member being displaceable between
 - an emergency position wherein said first valve closes said dilution air passage and said second valve closes said passage for putting said pilot valve chamber into communication with the atmosphere, thereby feeding said tube with pure breathing gas at an over pressure, and
 - a normal position wherein said first valve opens said dilution air passage and said second valve opens said passage for putting said pilot valve chamber into

communication with the atmosphere, thereby feeding said tube with diluted gas without over pressure; and

- a member which cooperates with a storage box, when the demand regulator with the mask is in a mask storage box, to cause said pilot valve chamber to be in communication with the atmosphere.

18. (new) A demand regulator according to claim 17, wherein the member is a control valve having (a) an open position whereby said valve opens a passage for putting said pilot valve chamber into communication with the atmosphere when said mask is stored in the storage box, and (b) a closed position wherein said valve closes said passage when the mask is placed on a face of a user.

19. (new) A demand regulator according to claim 18, wherein said control valve has a push rod which projects from a housing of the regulator, said push rod being adapted for being pressed against the face of the user.

20. (new) A demand regulator according to claim 17, wherein the member is said selector member which is adapted for cooperating with a catch of the mask storing box, which catch places the selector member in normal position when the mask is stored in the box, and in emergency position when the mask is taken out from the box.

21. (new) A demand regulator according to claim 20, wherein the selector member has a stud adapted for cooperating with a resilient catch of the mask storing box, whereby, when the mask is pushed into the box the catch brings the selector member in the normal position and snaps into position beyond the stud, whereas when the mask is taken out from the box the resilient catch brings the selector member back to emergency position before retracting.